

FROM  
Intellectual Property Group of  
Pillsbury Winthrop LLP  
Attorneys at Law  
1600 Tysons Boulevard  
McLean, VA 22102  
Telephone: (703) 905-2000  
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FACSIMILE TRANSMISSION

TO: UNITED STATES PATENT AND TRADEMARK OFFICE  
ATTN: Darryl Forte  
Team Leader  
Group 2100

**Official**

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No. Pages (Including this page) 12 FAX Opr: Nicole Hall

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In re PATENT APPLICATION of

Inventor(s) ELLIS

Appln. No. 09/320,660

series code ↑ serial no. ↑

Filed: May 27, 1999

Group Art Unit: 2757

Examiner: D. DINH

Atty. Dkt. PM 0251017

M#

TITLE: GLOBAL NETWORK COMPUTERS

Date: August 22, 2001

Name or type of signed paper being transmitted:  
RESUBMISSION OF INFORMATION DISCLOSURE STATEMEN

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Name \_\_\_\_\_ Sig. \_\_\_\_\_ Date August 22, 2001

081498/0251017

C# / M#

#13

Attn: Darryl Forte  
Team Leader  
Group 2100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of

Client Ref : GNC7/PCT/US

ELLIS

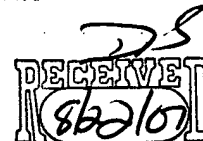
Group Art Unit: 2757

Appln. No.: 09/320,660

Examiner: D. DINH

Filed: May 27, 1999

Title: GLOBAL NETWORK COMPUTERS



Official

August 22, 2001

RESUBMISSION OF INFORMATION DISCLOSURE STATEMENT

Sir:

On June 13, 2001, Applicant incorrectly submitted an Information Disclosure Statement (IDS) for the above-identified parent case. A copy of the statement and the stamped PTO receipt as filed is submitted herewith. A copy of the communication we received from the Patent Office is also submitted herewith.

The IDS should have been submitted for the continuation case, Application No. 09/669,730, under client/matter number of 081498/0265678.

Please direct that the IDS be considered for the continuation case and that the fee submitted by Applicant for the parent case be applied to the continuation case.

Respectfully submitted,

PILLSBURY WINTHROP LLP

By

  
Dale S. Lazar

Reg. No.: 28,872

Telephone No.: 202-861-3527

Fax No.: (202) 822-0944

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Washington, D.C. 20005-3918  
(202) 861-3000


**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

 Address ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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09/22/99 888 09/27/99 8.118 111

EXAMINER
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 PILLSBURY MINTHROP & COMPANY LLP  
INTELLECTUAL PROPERTY GROUP  
1100 NEW YORK AVENUE N.W.  
NINTH FLOOR EAST TOWER  
WASHINGTON, DC 20005-3918

ART UNIT NR.	PAPER
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DATE MAILED

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

The information disclosure statement filed 6/13/2001 fails to comply with the provisions of 37 CFR 1.97, 1.98 and MPEP § 609 because the statement is filed after payment of the issue fee. It has been placed in the application file, but the information referred to therein has not been considered as to the merits. Applicant is advised that the date of any re-submission of any item of information contained in this information disclosure statement or the submission of any missing element(s) will be the date of submission for purposes of determining compliance with the requirements based on the time of filing the statement, including all certification requirements for statements under 37 CFR 1.97(e). See MPEP § 609 C(1).

 Dung Dinh  
Primary Examiner  
Art Unit: 2153

# **RECEIPT FROM PTO FOR INDICATED ITEMS**

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 Use 2 postcards for all New Applns. (cont/Div/CIP, too)  
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Appln. No: 09/320,660	Atty: Dale S. Lazar/CMC/Nicole Hall
First Inventor: ELLIS	Date: June 13, 2001
	Matter No: 0251017
	Client No: 081498

## **ENCLOSED:**

☐ Response/Amendment ☐ Appendix ☒ Cover Sheet ☐ Cited/Listed Documents

☐ Completion Request for R 53(f)/PCT Nat.

# No. of Pages Abstract

# No. of Pages Spec and Claims

# No. of Numbered Claims Only

# No. of Sheets of Drawings (Figs )

☐ 1 Set Formal ☐ 1 Set Informal ☐ Cover Letter

☐ Declaration  # of pages

☐ Assignment ☐ Cover Sheet

☐ Small Entity Declaration

☐ Extension Petition (PAT-111)

#  No. of Priority Documents

☒ IDS Letter ☐ Cited Appln(s) ☐ Foreign Sch Rep/OA

☒ PTO-1449 ☒ Cited Documents

☐ Issue Fee Transmittal Form PTOL-85(b) + (c)

\$  180 Fee (Check)



OTHER:

**Current DUE DATE:**

(Submit Single Copy Only)

Inventor(s): ELLIS

Appl. No.: 09 320,660

Series Code ↑

Serial No. ↑

Filed: May 27, 1999

Hon. Commissioner of Patents  
Washington, D.C. 20231

Group Art Unit 2757

Examiner: D. DINH

Atty. Dkt. P 0251017 GNC7/PCT/US

M# Client Ref

Appl. Title: GLOBAL NETWORK COMPUTERS

Sir,

**INFORMATION DISCLOSURE STATEMENT**

Date: June 13, 2001

This is a reply/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated hereinto by reference and the signature below is treated as the signature to the attachment in absence of a signature thereto.

**FEE REQUIREMENTS FOR CLAIMS AS AMENDED**

1 Small Entity claim		For B & C See Required Separate Paper (Pat-256)		Claims remaining after amendment		Highest number previously paid for		Present Extra		Large/Small Entity		Additional Fee		Fee Code Lg/Sm	
A. <input type="checkbox"/> NOT made				51		**minus 51		0		x \$18/\$9 =		+ \$0		103/203	
B. <input type="checkbox"/> Withdrawn				4		***minus 4		0		x \$80/\$40 =		+ \$0		102/202	
C. <input type="checkbox"/> made herewith															
D. <input checked="" type="checkbox"/> made previously															
2. Total Effective Claims				51		**minus 51		0		x \$18/\$9 =		+ \$0		103/203	
3. Independent Claims				4		***minus 4		0		x \$80/\$40 =		+ \$0		102/202	
4. If amendment enters proper multiple dependent claim(s) into this application for first time (leave blank if this is a reissue application)										+ \$270/\$135 =		+ \$0		104/204	
5. Original due Date:						<input checked="" type="checkbox"/> NONE									
6. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached				(1 mo)		\$110/\$55 =				+ \$0				115/215	
				(2 mos)		\$390/\$195 =								116/216	
				(3 mos)		\$890/\$445 =								117/217	
				(Usable only for ≤ 2mo.OA --- 4 mos)		\$1390/\$695 =								118/218	
				(Usable only for 30 day/1mo.OA --- 5 mos)		\$1890/\$945 =								128/228	
7. Enter any previous extension fee paid since above original due date and subtract						- \$0									
8. Extension Fee Attached						+ \$0									
9. If Terminal Disclaimer attached, add Rule 20(d) official fee						+ \$110/\$55				+ \$0				148/248	
10. If IDS attached requires Official Fee under Rule 97 (c), or if Rule 97(d) Request						+ \$180				+ \$180				126	
						+ \$180								126	
11. After-Final Request Fee per rules 129(a) and 17(r)						+ \$710/355				+ \$0				146/246	
12. No. of additional inventions for examination per Rule 129(b)						x \$710/355 ea				+ \$0				149/249	
13. Request for Continued Examination (RCE)						+ \$710/355				+ \$0				1179/1279	
14. Petition fee for										+ \$0					
15. TOTAL FEE ENCLOSED =						\$180									

16 \*If the entry in this space is less than entry in next space, the "Present Extra" result is "0".

17 \*\*If the "Highest number previously paid for" in this space is less than 20, write "20" in this space

18 \*\*\*If the "Highest number previously paid for" in this space is less than 3, write "3" in this space.

Our Deposit Account No. 03-3975)

(Our Order No. 081498 0251017

C#

M#

**CHARGE STATEMENT:** The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or assessed to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos. shown above, for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.

Query: Is appeal deadline now? If so, file Notice of Appeals separately.

Pillsbury Winthrop LLP  
Intellectual Property Group

By Atty: Dale S. Lazar

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Atty/Sec: DSL/nih

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NOTE: File this cover sheet in duplicate with PTO receipt (PAT-103A) and attachments

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re PATENT APPLICATION of

Client Ref.: GNC7/PCT/US

**ELLIS**

Group Art Unit: 2757

Appln. No.: 09/320,660

Examiner: D. DINH

Filed: May 27, 1999

Title: GLOBAL NETWORK COMPUTERS

\* \* \* \* \*

June 13, 2001

**INFORMATION DISCLOSURE STATEMENT**

Hon. Commissioner of Patents  
Washington, D.C. 20231

Sir:

The Rule 17(p) Official Fee required by Rule 97(c) in lieu of certification is filed herewith. Should that fee be missing or inadequate, please charge the deficiency to our Deposit Account No. 03-3975 under Order No. 081498/0251017 for which purpose this paper is submitted in duplicate.

This Information Disclosure Statement is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under Rule 97(f), to enable Applicant to comply fully.

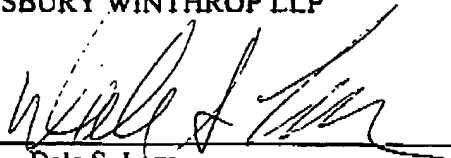
Appln. No.: 09/320,660 - ELLIS

Consideration of the foregoing and enclosures plus the return of a copy of the enclosed Form PTO-1449 with the Examiner's initials in the left column per MPEP 609 along with an early action on the merits of this application are earnestly solicited.

Respectfully submitted,

PILLSBURY WINTHROP LLP

By



Dale S. Lazar

Reg. No.: 28,872

Telephone No.: 202-861-3527

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FORM PTO-1449 (modified)  
To: U.S. Department of Commerce  
(PW FORM PAT-1449)  
Patent and Trademark Office

App Dkt No	M#	Client Ref
	0251017	GNC7/PCT/US
Applicant: ELLIS		
Appln. No.: 09/320,660		
Filing Date: May 27, 1999		

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date: June 13, 2000 Page 1 of 4 Examiner D. DINH Group Art Unit 2757

## U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR 4,827,508	05/1989	SHEAR			
	BR 4,918,596	04/1990	NAKANO			
	CR 4,969,092	11/1990	SHORTER			
	DR 5,025,369	06/1991	SCHWARTZ			
	ER 5,031,089	07/1991	LIU et al.			
	FR 5,103,393	04/1992	HARRIS et al.			
	GR 5,109,329	04/1992	STRELIOFF			
	HR 5,109,512	04/1992	BAHR et al.			
	IR 5,136,708	08/1992	LAPOURTE et al.			
	JR 5,155,808	10/1992	SHIMIZU			
	KR 5,341,477	08/1994	PITKIN et al.			
	LR 5,357,632	10/1994	PIAN et al.			
	MR 5,361,362	11/1994	BENKESER et al.			
	NR 5,410,651	04/1995	SEKIZAWA et al.			
	OR 5,428,783	06/1995	LAKE			
	PR 5,457,797	10/1995	BUTTERWORTH et al.			
	QR 5,515,511	05/1996	NGUYEN et al.			
	RR 5,522,070	05/1994	SUMIMOTO			
	SR 5,546,594	08/1996	WAZUMI			
	TR 5,568,375	10/1996	RAUSCH			
	UR 5,586,121	12/1996	MOURA et al.			
	VR 5,594,491	01/1997	HODGE et al.			
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	XR 5,678,028	10/1997	BERSHTEYN et al.			
	YR 5,710,884	01/1998	DEDRICK			
	ZR 5,758,077	05/1998	DANAHY et al.			
	AAR 5,758,345	05/1998	WANG			
	BBR 5,774,668	06/1998	CHOQUIER et al.			
	CCR 5,790,431	08/1998	AHRENS, Jr. et al.			
	DDR 5,794,069	08/1998	BARKER et al.			
	EER 5,815,865	09/1998	TEPER et al.			
	FFR 5,815,793	08/1998	FERGUSON			
	GGR 5,844,594	12/1998	FERGUSON			
	HHR 5,850,449	12/1998	MCMANIS			
	IIR 5,881,284	03/1999	KUBO			
	JJR 5,964,832	10/1999	KISOR			

Examiner

Date Considered:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449 (modified)  
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Dkt No

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Client Ref.

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

0251017

GNC7/PCT/US

Applicant: ELLIS

Appln No: 09/320,660

Filing Date: May 27, 1999

Date: June 13, 2000

Page

2

of

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Examiner: D. DINH

Group Art Unit: 2757

## U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR 6,052,555	04/2000	FERGUSON			
	BR 6,098,091	08/2000	KISOR			
	CR 6,112,225	08/2000	KRAFT et al.			
	DR 6,112,243	08/2000	DOWNS et al			
	ER					

## FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available
	FR WO 98/26366	06/1998	WIPO	Ellis		
	GR 0 853 279	07/1998	EUROPE	Nagaratna et al.		
	HR WO 94/01964	01/1994	WIPO	Craig		
	IR WO 95/01060	01/1995	WIPO	Kramer et al		
	JR					

## OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

	KR	"Ein-Chip-Firewall," Elektroniknet Top News, XP-002164257				
	LR	"Means for Implementing Optical Interconnections for Parallel Processors," IBM Technical Disclosure Bulletin, April 1991, Vol. 33, No. 11, pages 56-58, XP 000110310				
	MR	Alexandrov et al., "SuperWeb: Research Issues in Java-Based Global Computing," Concurrency, Vol. 9, No. 6, June 1997, pages 535-553				
	NR	Baratloo et al., "Charlotte: Metacomputing on the Web," 9th International Conference on Parallel and Distributed Computing Systems (PDCS), 1996, pages 1-8				
	OR	Bevinakoppa et al., "Digital Image Compression on a Network of Transputers," Proc. of 5 <sup>th</sup> Australian Transputer & OCCAM User Group Conference, IOS Press, Amsterdam, pp. 25-32				
	PR	Blumofe, R. et al., "Scheduling Large-Scale Parallel Computations on Networks of Workstations," Proc. Of the 3 <sup>rd</sup> IEEE Int'l Symp on High Performance Distributed Computing, pp. 96-105, Aug. 1994				
	QR	Brecht et al., "ParaWeb: Towards World-Wide Supercomputing," Proceedings of the Seventh ACM SIGOPS European Workshop, September 1996, 8 pages				
	RR	Capello et al., "Market-Based Massively Parallel Internet Computing," Proceedings Third Working Conference on Massively Parallel Programming Models, 1998, pages 118-129				
	SR	Celenk, M. et al., "Parallel Task Execution in LANs and Performance Analysis," Proc. Of the 1995 IEEE 14 <sup>th</sup> Annual Int'l Phoenix Conf. On Computers and Communications, pp. 423-429, Mar. 1995				
	TR	Chen, C. et al., "The DBC: Processing Scientific Data Over the Internet," Proc Of the 16 <sup>th</sup> Int'l. Conf. On Distributed Computing Systems, pp. 673-679, May 1996				

Examiner

Date Considered:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)  
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(PW FORM PAT-1449)  
Patent and Trademark Office

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0251017

GNC7/PCT/US

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: ELLIS

Appln. No.: 09/320,660

Filing Date: May 27, 1999

Date: June 13, 2000

Page

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of

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Examiner: D. DINH

Group Art Unit: 2153

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

AR	Clark, H. et al., "DAWGS-A Distributed Computer Server Utilizing Idle Workstations," Proc. Of the 5 <sup>th</sup> Distributed Memory Computing Conf., IEEE, pp. 732-741, April 1990				
BR	Fogg, C., "Survey of software and hardware VLC architectures," SPIE, vol. 2186, Image and Video Compression (1994), pp. 29-37				
CR	Fox et al., "Towards Web/Java based High Performance Distributed Computing-an Evolving Virtual Machine," www.npac.syr.edu/projects/webpace/doc/hpdc5/paper/, June 10, 1996, 11 pages				
DR	Fox et al., "Towards Web/Java based High Performance Distributed Computing-an Evolving Virtual Machine," as presented at 5 <sup>th</sup> IEEE International Symposium on High Performance Distributed Computing, August 6-9, 1996, 86 pages				
ER	Fox, E., "Advances in Interactive Digital Multimedia Systems," Computer, Oct. 1991, pp. 9-21				
FR	Gemmell et al., "Multimedia Storage Servers: a Tutorial," Computer, May 1995, pp. 40-49				
GR	Hayes, "Computing Science: Collective Wisdom," American Scientist, March-April 1998, pages 1-8				
HR	Kim, B., "ATM Network: Goals and Challenges," Communications of the ACM, Feb. 1995, vol. 38, No. 2, pp. 39-44, 109				
IR	Kremien, O., "Buying and Selling Computational Power Over the Network," Proc. Of the 4 <sup>th</sup> Int'l. Conf. On Computer Communications and Networks, IEEE, pp. 616-619, Sep. 1995				
JR	Lindley, C., "JPEG-Like Image Compression, Part 2," Dr. Dobbs Journal, Aug. 1995, pp. 62-66, 102-105				
KR	Lindley, C., "JPEG-Like Image Compression, Part 1," Dr. Dobbs Journal, Jul. 1995, pp. 50-58, 101-102				
LR	Litzkow et al., "Condor-A Hunter of Idle Workstations," Proc. Of the 8 <sup>th</sup> Int'l. Conf. On Distributed Computing Systems, IEEE, pp. 104-111, Jun. 1998				
MR	McHenry et al., "An FPGA-Based Coprocessor for ATM Firewalls," Field-Programmable Custom Computing Machines 1997, 16-18 April 1997, pages 30-39, XP-002157218				
NR	Morris, J., et al., "Fault Tolerant Networks of Workstations," Proc. Of the 3 <sup>rd</sup> Int'l. Conf. On High Performance Computing, IEEE, pp. 271-276, Dec. 1996				
OR	Nass, R., "Hardware-software combo could simplify MPEG real-time video compression," Electronic Design, May 3, 1993, p. 36				
PR	Nowatzky et al., "Are Crossbars Really Dead? The Case for Optical Multiprocessor Interconnect Systems," Proceedings of the Annual Symposium on Computer Architecture, ACM, volum 22, June 1995, pages 106-115, XP 000687800				
QR	Ozer, "Digital Video: Shot by Shot," PC Magazine, Apr. 11, 1995, pp. 104-107, 110				
RR	Ozer, J., "Why MPEG is Hot," PC Magazine, Apr. 11, 1995, pp. 130-131				
SR	Plotkin, "The Digital Compression Facility-A Solution to Today's Compression Needs," 1994 IEEE, pp. 445-449				
TR	Qiao et al., "Time-Division Optical Communications in Multiprocessor Arrays," ACM, 1991, pages 644-653, XP 000337522				

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Page

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of

4

Examiner: D. DINH

Group Art Unit: 2757

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

AR	Rincon et al., "The Changing Landscape of System-on-a-Chip Design," MicroNews, Third Quarter 1999, www.chips.ibm.com/micronews/vol5_no3/rincon.html, pages 1-10, Vol. 5, No. 3				
BR	Sachs, M. et al., "LAN and I/O Convergence: A Survey of the Issues," Computer, Dec. 1994, pp. 24-32				
CR	Sakano et al., "A Three-Dimensional Mesh Multiprocessor System Using Board-to-Board Free-Space Optical Interconnects: COSINE-III," IEEE, 1993, pages 278-283, XP 000463415				
DR	Schroeder, E., "New offerings buoy MPEG as video standard," Desktop Computing, PC Week, May 8, 1995, pp. 1&29				
ER	Shen et al., "A Parallel Implementation of an MPEG1 Encoder: Faster than Real-Time," Proc. Of SPIE Conf. On Digital Video Compression, San Jose, CA, Feb. 1995				
FR	Shiuan, J. et al., "Client-Server Based Ray-Tracer Using ASTRA: An Asynchronous RPC Mechanism," Computer Communications, vol. 19, No. 5, pp. 445-455, May 1996				
GR	Szabo, B., et al., "Design considerations for JPEG Video and Synchronized Audio in a Unix Workstation Environment," USENIX-Summer '91, pp. 353-368				
HR	Theimer et al., "Finding Idle Machines in a Workstation-Based Distributed System," IEEE Trans. On Software Engineering, vol. 15, No. 11, pp. 1444-1458, Nov. 1989				
IR	Vetter, R., "ATM Concepts, Architectures, and Protocols," Communications of the ACM, Feb. 1995, vol. 38, No. 2, pp. 30-38, 109				
JR	Vetter, R., et al., "Issues and Challenges in ATM Networks," Communications of the ACM, 2/1995, vol. 38, No. 2, pp. 28-29				
KR	Waldspurger et al., "Spawn: A Distributed Computational Economy," IEEE Transactions on Software Engineering, Vol. 18, No. 2, February 1992, pages 103-117, XP-002124500				
LR	Yoshida, J., "MPEG-2 encoders make show of force at NAB," Electronic Engineering Times, Apr. 10, 1995				
MR	Yu, Y. et al., "Software Implementation of MPEG-II Video Encoding Using Socket Programming in LAN," SPIE vol. 2187, pp. 229-240, 1994				
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Examiner

Date Considered:

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